|             | Index of Claims |          |            |                                |          |          |          |          |                |           |           |                           |                | Application No.   |         |           |              |                                                  |          |           |              |           | Applicant(s) |            |                 |          |                |          |              |                 |         |   |  |
|-------------|-----------------|----------|------------|--------------------------------|----------|----------|----------|----------|----------------|-----------|-----------|---------------------------|----------------|-------------------|---------|-----------|--------------|--------------------------------------------------|----------|-----------|--------------|-----------|--------------|------------|-----------------|----------|----------------|----------|--------------|-----------------|---------|---|--|
|             |                 |          | ,,<br>  11 |                                |          |          | '' \<br> |          | 2777<br>2111 1 |           | •         | III                       |                |                   |         | ا ر       | 09/843,046   |                                                  |          |           |              |           |              |            |                 |          | SHIBATA ET AL. |          |              |                 |         |   |  |
|             |                 | Ш        | Ш          | Ш                              | Ш        |          |          |          |                |           | Ш         | Ш                         |                |                   |         | F         | Examiner     |                                                  |          |           |              |           |              |            |                 | Art Unit |                |          |              |                 |         |   |  |
|             |                 |          |            |                                |          |          |          |          |                |           |           |                           |                |                   |         |           |              |                                                  |          |           |              |           |              |            |                 |          |                |          |              |                 |         |   |  |
|             |                 |          |            |                                |          |          |          |          |                |           |           |                           |                | Tamiko D. Bellamy |         |           |              |                                                  |          |           |              |           | 2856         |            |                 |          |                |          |              |                 |         |   |  |
| <del></del> |                 |          |            |                                |          |          |          |          |                |           |           |                           |                |                   | 1       |           |              |                                                  |          |           |              |           |              |            |                 |          | _              |          |              |                 |         |   |  |
|             |                 |          | 1          | R                              | eje      | cte      | d        |          |                | _         |           | (Through numers Cancelled |                |                   |         |           | al)          |                                                  |          | Non-Elec  |              |           | ted          | A          |                 | Appeal   |                |          |              |                 |         |   |  |
|             |                 |          | <u> </u>   |                                |          |          |          |          |                | Cancelled |           |                           |                |                   |         |           |              | <del> </del>                                     |          |           |              |           |              |            |                 | _        |                |          |              |                 |         |   |  |
|             |                 |          | =          | = Allowed                      |          |          |          |          |                | ÷         | Res       |                           |                | strict            | tricted |           |              |                                                  | ı        | In        | ter          | ferer     | ıce          |            | o               | . (      | Obj            | ect      | ed           |                 |         |   |  |
|             |                 |          |            |                                |          |          |          |          |                |           | <u> </u>  |                           |                |                   |         |           |              |                                                  |          |           |              |           |              |            |                 |          |                |          |              |                 |         |   |  |
| 1           | Cla             | im       | Γ.         |                                |          |          | Date     | <br>е    |                |           |           | Claim                     |                |                   |         | Date      |              |                                                  | Э        |           |              | Cla       | aim          | <u> </u>   |                 | Date     |                |          |              |                 | 1       |   |  |
|             |                 |          | 4          | 10/20/04<br>4/20/05<br>12/8/05 |          |          |          |          |                | П         | Ì         |                           | . <del>"</del> |                   |         |           |              |                                                  | П        |           |              |           |              | П          |                 |          |                |          |              | 1               |         |   |  |
|             | Final           | Original | 13/0       | 200                            | 20/0     | 9/8/0    |          |          |                |           |           |                           | Final          | Original          |         |           |              |                                                  |          |           |              |           | Final        | Original   |                 |          |                |          |              |                 |         |   |  |
|             | Ŀ               | ō        | 4          | Ę                              | 4        | 12       |          |          |                |           |           |                           | u.             | ŏ                 |         |           |              |                                                  |          |           | -            |           | "            | ō          |                 | 1        |                |          |              |                 |         |   |  |
|             |                 | (1)      | 1          | 1                              | 1        | 1        |          |          |                |           |           |                           |                | 51                |         |           |              |                                                  |          |           | _            |           |              | 101        |                 | 1        | 工              |          |              |                 |         |   |  |
| ,           |                 | 3        | 1          | 7                              | 7        | 1        | -        |          | Н              |           | $\vdash$  | }                         |                | 52<br>53          | +       | ╀         | ╀            | -                                                | $\vdash$ | $\dashv$  | $\dashv$     | $\dashv$  | <u> </u>     | 102<br>103 | $\vdash \vdash$ | +        | +              | ╀        |              | $\vdash$        | +       |   |  |
|             |                 | 4        | 1          | 1                              | 1        | 1        | $\vdash$ |          |                |           | $\vdash$  | 1                         |                | 54                | ╁       | ╁         | +            | ╁                                                | Н        | $\dashv$  | $\dashv$     | -         |              | 103        | $\vdash$        | +        | +              | $\vdash$ | $\vdash$     | H               | +       |   |  |
|             |                 | 5        | 1          | 1                              | 1        | 1        |          |          |                |           |           | Į                         |                | 55                |         |           |              |                                                  |          |           |              |           |              | 105        |                 |          |                |          |              |                 |         | ] |  |
|             |                 | 7        | 1          | 1                              | 1        | 1        |          |          |                |           | $\square$ | ŀ                         |                | 56<br>57          | +       | ╀         | ╀            | ╀                                                | Н        | $\dashv$  | 4            | _         |              | 106<br>107 | $\vdash$        | +        | +              | -        | -            | $\vdash$        |         |   |  |
|             |                 | 8        | 1          | 1                              |          | 1        | _        |          |                | -         | $\dashv$  | ŀ                         |                | 58                | +       | $\vdash$  | +            | $\vdash$                                         | Н        | $\dashv$  | $\dashv$     | $\dashv$  |              | 108        | H               | +        | +              | +        | 1            |                 | +       | 1 |  |
|             |                 | 9        | ٧          | 1                              | 1        | 1        |          |          |                |           |           | Ì                         |                | 59                |         |           |              |                                                  |          |           |              |           |              | 109        |                 |          |                |          |              |                 |         | j |  |
|             |                 | 10       |            | <u> </u>                       | 1        | 1        |          |          |                |           | Щ         | - }                       |                | 60                | $\bot$  | $\vdash$  | L            | ऻ_                                               | Ш        | $\dashv$  | 4            | _         | <u> </u>     | 110        |                 | _        | +              | ╀        | ₩            |                 |         |   |  |
|             |                 | 11<br>12 | -          | -                              | -        | -        |          |          |                |           | $\dashv$  | ł                         |                | 61<br>62          | +       | ╁         | ╁            | ╁                                                | Н        | $\dashv$  | ┥            |           | _            | 111<br>112 | $\vdash$        | +        | +              | ╁        | -            |                 | +       |   |  |
|             |                 | 13       |            |                                |          |          |          |          |                |           |           | Ì                         |                | 63                |         |           | t            |                                                  |          |           | 士            |           |              | 113        |                 |          |                |          |              |                 |         |   |  |
|             |                 | 14       |            |                                |          |          |          |          | Ī              |           |           |                           |                | 64                | $\perp$ | _         | L            | ļ                                                |          |           | $\downarrow$ |           |              | 114        |                 | 4        | $\bot$         | $\perp$  |              |                 |         |   |  |
|             |                 | 15<br>16 |            | -                              | -        | -        | -        | $\vdash$ | _              |           | $\vdash$  | }                         |                | 65<br>66          | +       | ╀         | ╁            | +-                                               | $\vdash$ | -         | $\dashv$     | $\dashv$  | <u> </u>     | 115<br>116 | $\vdash$        |          |                | ╁        | $\vdash$     |                 |         |   |  |
|             |                 | 17       |            | Н                              |          |          |          |          | -              |           |           | Ì                         |                | 67                |         |           | T            | İ                                                |          | $\exists$ |              |           |              | 117        |                 |          |                |          |              |                 |         |   |  |
|             |                 | 18       |            |                                |          |          |          |          |                |           |           |                           |                | 68                |         |           | _            | <u> </u>                                         | Ш        |           | 4            | _         |              | 118        | $\square$       | 4        | $\perp$        | -        |              | $\sqcup$        |         |   |  |
|             |                 | 19<br>20 |            | <u> </u>                       | $\vdash$ |          | -        | -        |                |           | H         | ŀ                         |                | 69<br>70          | +       | ╁         | ╁            | <del> </del>                                     | $\vdash$ |           | $\dashv$     | -         |              | 119<br>120 | $\vdash$        | +        | +              | ╁        | ╁            | $\vdash$        | +       | 1 |  |
|             |                 | 21       |            |                                |          |          |          |          |                |           |           | t                         |                | 71                |         |           |              | 1                                                |          |           |              |           |              | 121        |                 |          | $\perp$        | t        |              |                 |         |   |  |
|             |                 | 22       |            |                                |          |          |          |          |                |           |           |                           |                | 72                | 1       | L         | $oxed{\bot}$ | $oxed{oxed}$                                     |          |           | $\dashv$     | _         |              | 122        |                 |          | L              | _        | <u> </u>     |                 |         |   |  |
|             |                 | 23<br>24 | H          |                                | -        | H        |          | Н        |                |           | Н         | ŀ                         |                | 73<br>74          | +       | ╀         | +-           | ╁                                                |          | $\dashv$  | $\dashv$     |           | ļ            | 123<br>124 | H               | +        | +              | +        | -            | $\vdash$        | +       | - |  |
|             |                 | 25       |            | $\vdash$                       |          |          |          |          |                |           | H         | ı                         |                | 75                |         | $\dagger$ |              | 1                                                |          |           | $\dashv$     |           |              | 125        |                 | $\dashv$ | +              | T        | $\vdash$     |                 |         |   |  |
|             | •               | 26       |            |                                |          |          |          |          |                |           |           |                           |                | 76                | $\perp$ | L         |              |                                                  |          |           | $\Box$       |           |              | 126        |                 |          |                |          | L            |                 |         |   |  |
|             |                 | 27<br>28 |            | H                              | -        | _        |          | $\vdash$ |                |           | $\dashv$  | }                         |                | 77                | +       | ╀         | ╁            | -                                                |          | -         | +            |           |              | 127<br>128 | $\vdash$        | +        | +              | +-       | <del> </del> | ╟               |         | - |  |
|             |                 | 29       |            | $\vdash$                       | -        | -        |          | H        |                |           | H         | ŀ                         |                | 79                | +       | T         |              | T                                                | Н        |           | $\dashv$     | -         |              | 129        | Н               | $\top$   | $\top$         | †        | $\top$       |                 |         | 1 |  |
|             |                 | 30       |            |                                |          |          |          |          |                |           |           |                           |                | 80                |         |           |              |                                                  |          |           |              |           |              | 130        |                 |          |                |          |              |                 |         |   |  |
|             |                 | 31<br>32 | _          | _                              | _        |          | <u> </u> | Н        |                |           | Н         | -                         |                | 81<br>82          | +       | +         | ╀            | ╁                                                | $\vdash$ |           | $\dashv$     | -         |              | 131<br>132 | $\vdash$        |          | +-             | ╁        | -            | ┝╼┾             |         | - |  |
|             |                 | 33       | $\vdash$   | _                              |          |          |          | Н        |                |           | Н         | ŀ                         |                | 83                | +       | T         | $\vdash$     | <del>                                     </del> |          | -         | $\dashv$     | $\dashv$  |              | 133        |                 | $\dashv$ | +              | T        | ╁            |                 |         |   |  |
|             |                 | 34       |            |                                |          |          |          |          |                |           |           | ļ                         |                | 84                | I       |           |              |                                                  |          |           |              |           |              | 134        |                 |          |                |          |              |                 |         |   |  |
|             |                 | 35<br>36 | _          |                                | _        | _        |          | $\vdash$ |                |           | Н         | ŀ                         |                | 85<br>86          |         | ╁         | ┼            | -                                                |          |           | +            | _         |              | 135<br>136 | $\vdash$        |          | +-             | ╀        |              | -               | +       |   |  |
|             |                 | 37       | _          | _                              |          | -        | -        | $\vdash$ | -              | $\vdash$  | Н         | ł                         |                | 87                | ╁       | ╁         | $\vdash$     | <del>  -</del>                                   | Н        | $\dashv$  | _            | $\dashv$  |              | 137        |                 | -        | +-             | +        |              | $\vdash$        |         |   |  |
|             |                 | 38       |            |                                |          |          |          |          |                |           |           | Ī                         |                | 88                |         |           |              |                                                  |          |           |              |           |              | 138        |                 |          | 工              |          |              |                 |         | ] |  |
|             |                 | 39       | _          | _                              | _        | L        | _        |          | -              | _         | Н         | -                         |                | 89<br>90          | -       | ╄         | ╀            | -                                                | $\vdash$ | $\dashv$  | 4            | _         |              | 139<br>140 | $\vdash$        | _        | - -            | -        |              | $\vdash$        |         |   |  |
|             |                 | 40<br>41 | Н          |                                | -        |          | $\vdash$ | $\vdash$ | Н              | $\vdash$  | $\dashv$  | }                         |                | 91                | +       | ╁╴        | $\vdash$     | $\vdash$                                         | Н        | $\dashv$  | $\dashv$     | $\dashv$  |              | 141        | $\vdash \vdash$ | $\dashv$ | +              | ╁╌       | $\vdash$     | $\vdash$        | +       |   |  |
| Ì           |                 | 42       |            |                                |          |          |          |          |                |           |           | į                         |                | 92                | 上       |           |              |                                                  |          |           | 1            | $\Box$    |              | 142        |                 |          |                |          |              |                 |         | 1 |  |
| ĺ           |                 | 43       | oxdot      |                                | Ĺ        |          |          | $\Box$   | Ш              | $\Box$    | $\square$ | ſ                         |                | 93                | $\perp$ | F         | $\perp$      | <u> </u>                                         | $\sqcup$ | $\prod$   | $\dashv$     | _         |              | 143        | $\Box$          | $\bot$   | $\bot$         | $\perp$  | oxdot        | oxdot           | $\perp$ |   |  |
|             |                 | 44<br>45 | -          | $\vdash$                       | $\vdash$ | $\vdash$ | -        | $\vdash$ | $\vdash$       | -         | $\dashv$  | }                         |                | 94<br>95          | +       | $\vdash$  | $\vdash$     | $\vdash$                                         | $\vdash$ | $\dashv$  | $\dashv$     | $\dashv$  |              | 144<br>145 | $\vdash$        | +        | +              | +-       | $\vdash$     | $\vdash \vdash$ | +       |   |  |
|             |                 | 46       |            |                                |          |          |          |          |                |           | Ħ         | Į                         |                | 96                | 工       | İ         | L            |                                                  |          |           | 士            | $\exists$ |              | 146        |                 |          |                |          |              |                 |         | 1 |  |
|             |                 | 47<br>48 |            |                                | _        |          | L.       | Щ        | Щ              | L         | $\square$ |                           |                | 97<br>98          | $\perp$ | $\vdash$  | L            | <u> </u>                                         | $\sqcup$ | _         | $\perp$      | _         |              | 147<br>148 | Н               | $\perp$  | $\perp$        | ₋        |              | oxdot           | $\perp$ |   |  |
|             |                 | 48       | H          | $\vdash$                       | $\vdash$ | H        | $\vdash$ | Н        | $\vdash$       | $\vdash$  | H         | ŀ                         |                | 98                | +-      | ╁╴        | ╁            | $\vdash$                                         | Н        | $\dashv$  | $\dashv$     | -         | -            | 148        | $\vdash$        | +        | +-             | ╁╴       |              | <del>   </del>  | +       |   |  |
|             |                 | 50       |            |                                |          |          |          |          |                |           |           | t                         |                | 100               | İ.,     |           |              |                                                  |          |           | ゴ            |           |              | 150        |                 | 上        |                |          |              |                 |         | ] |  |